

**United States Environmental Protection Agency  
Region 7  
11201 Renner Blvd  
Lenexa, KS 66219**

10/27/2014

**Results of Sample Analysis**

Sample: 6580-1  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-1. This sample was collected on 09/17/2014 at the location described as: 17A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-1 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	51.8	Percent
Lead, Total in sieved portion	856	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	40.5	Milligrams per Kilogram
Lead	479	Milligrams per Kilogram
Zinc	5560	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	93.3	Percent

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**Results of Sample Analysis**

Sample: 6580-2  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-2. This sample was collected on 09/17/2014 at the location described as: 17B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-2 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	76.8	Percent
Lead, Total in sieved portion	1025	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	65.9	Milligrams per Kilogram
Lead	334	Milligrams per Kilogram
Zinc	7390	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	94.4	Percent

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**Results of Sample Analysis**

Sample: 6580-3  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-3. This sample was collected on 09/17/2014 at the location described as: 17C (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-3 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	86.3	Percent
Lead, Total in sieved portion	1833	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	37.1	Milligrams per Kilogram
Lead	751	Milligrams per Kilogram
Zinc	5300	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	95.5	Percent

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**Results of Sample Analysis**

Sample: 6580-3-FD  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-3-FD. This sample was collected on 09/17/2014 at the location described as: 17C (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-3-FD for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	67.9	Percent
Lead, Total in sieved portion	1934	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	35.3	Milligrams per Kilogram
Lead	311	Milligrams per Kilogram
Zinc	4450	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	96.1	Percent

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**Results of Sample Analysis**

Sample: 6580-5  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-5. This sample was collected on 09/17/2014 at the location described as: 32A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-5 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	69.0	Percent
Lead, Total in sieved portion	1553	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	31.6	Milligrams per Kilogram
Lead	399	Milligrams per Kilogram
Zinc	4510	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	96.0	Percent

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**Results of Sample Analysis**

Sample: 6580-6  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-6. This sample was collected on 09/17/2014 at the location described as: 32B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-6 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	Approximately 91.3	Percent
Lead, Total in sieved portion	1876	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	56.1	Milligrams per Kilogram
Lead	545	Milligrams per Kilogram
Zinc	6810	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	94.8	Percent

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**Results of Sample Analysis**

Sample: 6580-7  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-7. This sample was collected on 09/17/2014 at the location described as: 32C (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-7 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	74.5	Percent
Lead, Total in sieved portion	1917	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	51.3	Milligrams per Kilogram
Lead	538	Milligrams per Kilogram
Zinc	5870	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	95.4	Percent

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**Results of Sample Analysis**

Sample: 6580-8  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-8. This sample was collected on 09/17/2014 at the location described as: 13-Baxter Springs A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-8 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	55.9	Percent
Lead, Total in sieved portion	2631	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	28.0	Milligrams per Kilogram
Lead	1130	Milligrams per Kilogram
Zinc	3840	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	87.8	Percent



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**Results of Sample Analysis**

Sample: 6580-9  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-9. This sample was collected on 09/17/2014 at the location described as: 13-Baxter Springs B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-9 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	69.5	Percent
Lead, Total in sieved portion	2552	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	51.8	Milligrams per Kilogram
Lead	1700	Milligrams per Kilogram
Zinc	6230	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	94.3	Percent

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**Results of Sample Analysis**

Sample: 6580-9-FD  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-9-FD. This sample was collected on 09/17/2014 at the location described as: 13-Baxter Springs B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-9-FD for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	66.0	Percent
Lead, Total in sieved portion	2521	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	48.2	Milligrams per Kilogram
Lead	1700	Milligrams per Kilogram
Zinc	5800	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	95.9	Percent

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**Results of Sample Analysis**

Sample: 6580-10  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-10. This sample was collected on 09/17/2014 at the location described as: 13-Baxter Springs C (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-10 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	60.4	Percent
Lead, Total in sieved portion	2187	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	40.7	Milligrams per Kilogram
Lead	874	Milligrams per Kilogram
Zinc	5140	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	96.1	Percent

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**Results of Sample Analysis**

Sample: 6580-12  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-12. This sample was collected on 09/17/2014 at the location described as: 8C (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-12 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	Approximately 92.1	Percent
Lead, Total in sieved portion	844	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	28.0	Milligrams per Kilogram
Lead	327	Milligrams per Kilogram
Zinc	4920	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	94.9	Percent

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**Results of Sample Analysis**

Sample: 6580-13  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-13. This sample was collected on 09/17/2014 at the location described as: 8B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-13 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	96.1	Percent
Lead, Total in sieved portion	917	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	44.4	Milligrams per Kilogram
Lead	251	Milligrams per Kilogram
Zinc	7160	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	96.0	Percent

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**Results of Sample Analysis**

Sample: 6580-14  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-14. This sample was collected on 09/17/2014 at the location described as: 8A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-14 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	Approximately 94.4	Percent
Lead, Total in sieved portion	788	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	28.2	Milligrams per Kilogram
Lead	279	Milligrams per Kilogram
Zinc	4630	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	95.8	Percent

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**Results of Sample Analysis**

Sample: 6580-15  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-15. This sample was collected on 09/17/2014 at the location described as: 1A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-15 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	72.9	Percent
Lead, Total in sieved portion	1256	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	32.4	Milligrams per Kilogram
Lead	634	Milligrams per Kilogram
Zinc	5720	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	94.1	Percent

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**Results of Sample Analysis**

Sample: 6580-16  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-16. This sample was collected on 09/17/2014 at the location described as: 1B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-16 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	60.9	Percent
Lead, Total in sieved portion	841	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	27.8	Milligrams per Kilogram
Lead	358	Milligrams per Kilogram
Zinc	5670	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	91.8	Percent



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**Results of Sample Analysis**

Sample: 6580-17  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-17. This sample was collected on 09/17/2014 at the location described as: 1C (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-17 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	58.8	Percent
Lead, Total in sieved portion	707	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	26.5	Milligrams per Kilogram
Lead	297	Milligrams per Kilogram
Zinc	4990	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	91.3	Percent

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**Results of Sample Analysis**

Sample: 6580-18  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-18. This sample was collected on 09/17/2014 at the location described as: 25A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-18 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	59.7	Percent
Lead, Total in sieved portion	1028	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	23.2	Milligrams per Kilogram
Lead	494	Milligrams per Kilogram
Zinc	3370	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	90.2	Percent

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**Results of Sample Analysis**

Sample: 6580-19  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-19. This sample was collected on 09/17/2014 at the location described as: 25B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-19 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	40.7	Percent
Lead, Total in sieved portion	1035	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	31.6	Milligrams per Kilogram
Lead	454	Milligrams per Kilogram
Zinc	4550	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	89.6	Percent

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**Results of Sample Analysis**

Sample: 6580-20  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-20. This sample was collected on 09/17/2014 at the location described as: 24A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-20 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	39.7	Percent
Lead, Total in sieved portion	1280	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	88.7	Milligrams per Kilogram
Lead	961	Milligrams per Kilogram
Zinc	7960	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	91.0	Percent

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**Results of Sample Analysis**

Sample: 6580-21  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-21. This sample was collected on 09/17/2014 at the location described as: 24B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-21 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	48.6	Percent
Lead, Total in sieved portion	1994	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	Approximately 45.5	Milligrams per Kilogram
Lead	Approximately 842	Milligrams per Kilogram
Zinc	5680	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	92.8	Percent

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**Results of Sample Analysis**

Sample: 6580-22  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-22. This sample was collected on 09/17/2014 at the location described as: 26A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-22 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	75.9	Percent
Lead, Total in sieved portion	1515	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	35.9	Milligrams per Kilogram
Lead	594	Milligrams per Kilogram
Zinc	5500	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	93.0	Percent

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**Results of Sample Analysis**

Sample: 6580-23  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-23. This sample was collected on 09/17/2014 at the location described as: 26B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-23 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	81.4	Percent
Lead, Total in sieved portion	1460	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	27.7	Milligrams per Kilogram
Lead	450	Milligrams per Kilogram
Zinc	4500	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	93.4	Percent

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**Results of Sample Analysis**

Sample: 6580-24  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-24. This sample was collected on 09/17/2014 at the location described as: 15A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-24 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	23.3	Percent
Lead, Total in sieved portion	184	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	12.0	Milligrams per Kilogram
Lead	153	Milligrams per Kilogram
Zinc	1860	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	92.0	Percent



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**Results of Sample Analysis**

Sample: 6580-25  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-25. This sample was collected on 09/17/2014 at the location described as: 15B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-25 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	26.7	Percent
Lead, Total in sieved portion	372	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	11.4	Milligrams per Kilogram
Lead	205	Milligrams per Kilogram
Zinc	1660	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	86.0	Percent

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**Results of Sample Analysis**

Sample: 6580-26  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-26. This sample was collected on 09/17/2014 at the location described as: 14A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-26 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	53.7	Percent
Lead, Total in sieved portion	246	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	25.4	Milligrams per Kilogram
Lead	158	Milligrams per Kilogram
Zinc	4430	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	96.4	Percent

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**Results of Sample Analysis**

Sample: 6580-27  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-27. This sample was collected on 09/17/2014 at the location described as: 13-Lawton A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-27 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	39.1	Percent
Lead, Total in sieved portion	223	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	100.0	Milligrams per Kilogram
Lead	99.8	Milligrams per Kilogram
Zinc	7700	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	98.4	Percent

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**Results of Sample Analysis**

Sample: 6580-27-FD  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-27-FD. This sample was collected on 09/17/2014 at the location described as: 13-Lawton A (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-27-FD for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	46.5	Percent
Lead, Total in sieved portion	197	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	64.3	Milligrams per Kilogram
Lead	94.7	Milligrams per Kilogram
Zinc	6640	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	97.1	Percent

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**Results of Sample Analysis**

Sample: 6580-28  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-28. This sample was collected on 09/17/2014 at the location described as: 13-Lawton B (0-6"). If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-28 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Bioaccessible Lead in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Lead, Bioaccessible	66.5	Percent
Lead, Total in sieved portion	167	Milligrams per Kilogram
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)</u></b>		
Cadmium	67.3	Milligrams per Kilogram
Lead	101	Milligrams per Kilogram
Zinc	6680	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	95.8	Percent

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**Results of Sample Analysis**

Sample: 6580-101  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-101. This sample was collected on 09/17/2014 at the location described as: 14A - Bulk. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-101 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)(2)</u></b>		
Cadmium	Approximately 23.9	Milligrams per Kilogram
Lead	Approximately 101	Milligrams per Kilogram
Zinc	4230	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	93.4	Percent

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**Results of Sample Analysis**

Sample: 6580-102  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-102. This sample was collected on 09/17/2014 at the location described as: 13BB - Bulk. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-102 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)(2)</u></b>		
Cadmium	43.3	Milligrams per Kilogram
Lead	1080	Milligrams per Kilogram
Zinc	7500	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	92.7	Percent

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**Results of Sample Analysis**

Sample: 6580-201  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-201. This sample was collected on 09/17/2014 at the location described as: 14A - Fine. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-201 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)(3)</u></b>		
Cadmium	Approximately 50.0	Milligrams per Kilogram
Lead	290	Milligrams per Kilogram
Zinc	8630	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	99.7	Percent



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**Results of Sample Analysis**

Sample: 6580-202  
Project ID: EH073708

These are the results from the analysis of solid sample number 6580-202. This sample was collected on 09/17/2014 at the location described as: 13BB - Fine. If you have any questions about these results, contact Elizabeth Hagenmaier at the above address or by calling 913-551-7939. Correspondence should refer to sample number 6580-202 for project: EH073708 - Cherokee County - Railroads sampling.

<b>Analysis/Analyte</b>	<b>Amount Found</b>	<b>Units</b>
<b><u>Metals in Soil by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES)(3)</u></b>		
Cadmium	74.4	Milligrams per Kilogram
Lead	3880	Milligrams per Kilogram
Zinc	12800	Milligrams per Kilogram
<b><u>Percent Solid</u></b>		
Solids, percent	97.6	Percent